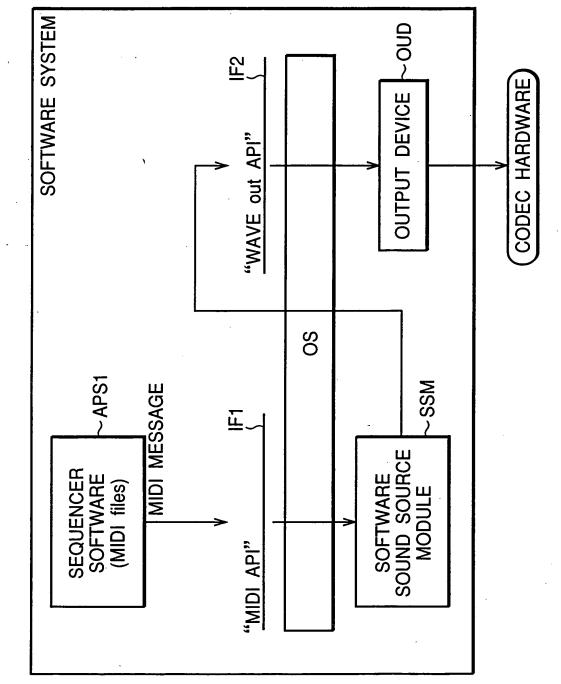
5981860

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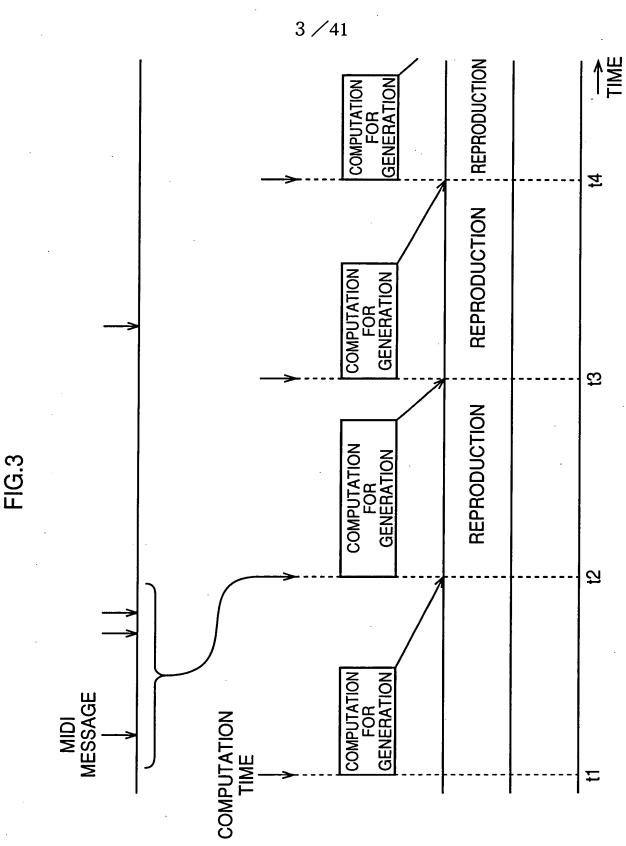
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FIG.1

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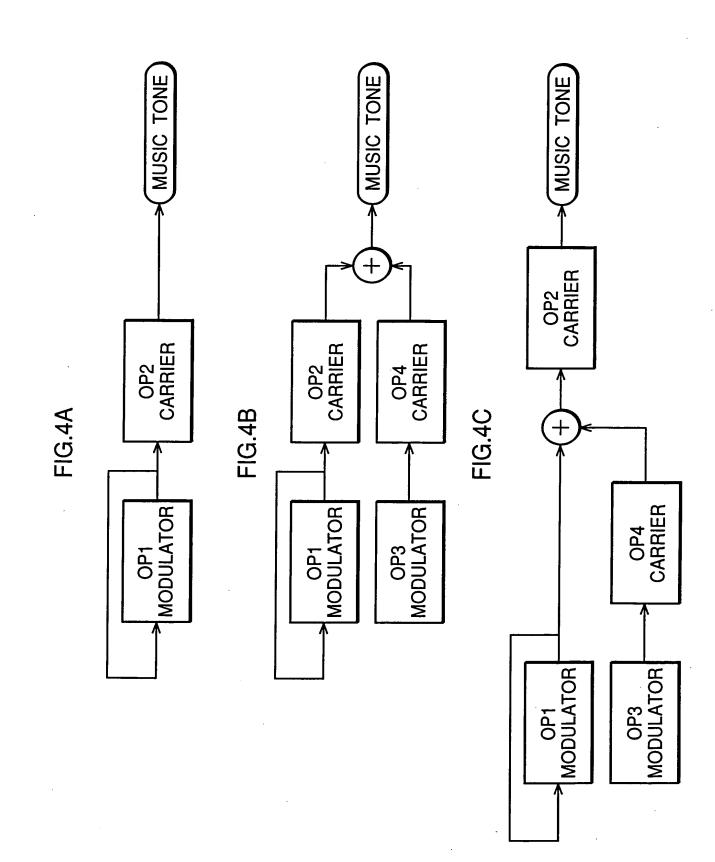
?

O.G. FIG. **APPROVED** BY DRAFTSMAN 2/41 SERVER COMPUTER 102 COMMUNICATION NETWORK COMMUNICATION I/F SOUND SYSTEM <u>6</u>, 14b DAC DATA/ADDRESS BUS RAM DMA 14a **FIG.2** ROM HARD DISK DRIVE 9 CPU DISPLAY 2 TIMER 9 KEYBOARD 9 2 MOUSE



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CPOPOSTY . DEPOSY



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APPROVED	O.G.	FIG.	1
BY	CLASS	SUBCLASS	
DRAFTSMAN			

FIG.5

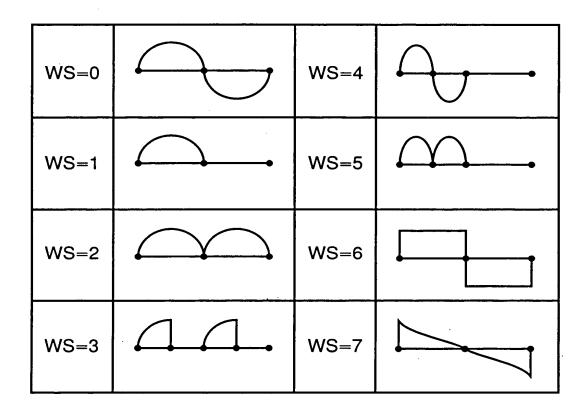


FIG.6

TONEPAR1
TONEPAR2
TONEPARn
:

1

2.

APPROVED (BY C DRAFTSMAN	O.G. FIG.	188	OPONm	PHBUFm	FBm	MODINM 6	∕41 MINOOO	EGSTATEm				
						_		_		\		\
	FIG.7B		FSAMPm	MULTm	FBLm	WSELm	ŢĹM	EGPARm	MSCm	OPPRIOM	OPRIEM	= 5 5
e de la companya de l		,										
	FIG.7A	VOICE	KEYONj	FNOj	ALGORj	VOLj	VELj	OP1DATAj	OP2DATAj	•••	OPmDATAj	

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BY	CLASS	SUBCLASS
DRAFTSMAN		1

FIG.8

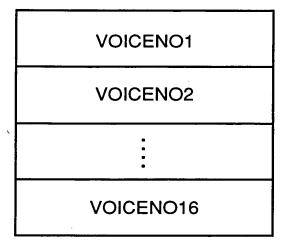
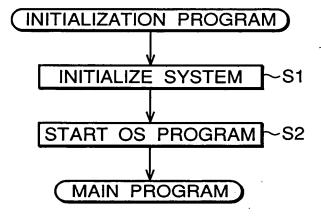


FIG.9



	•	
APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAN		

8 / 41 FIG.10

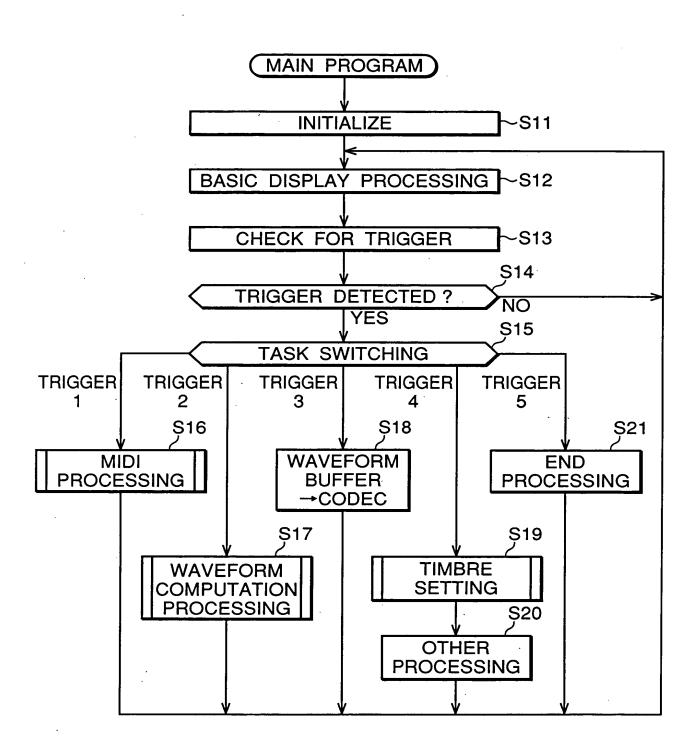
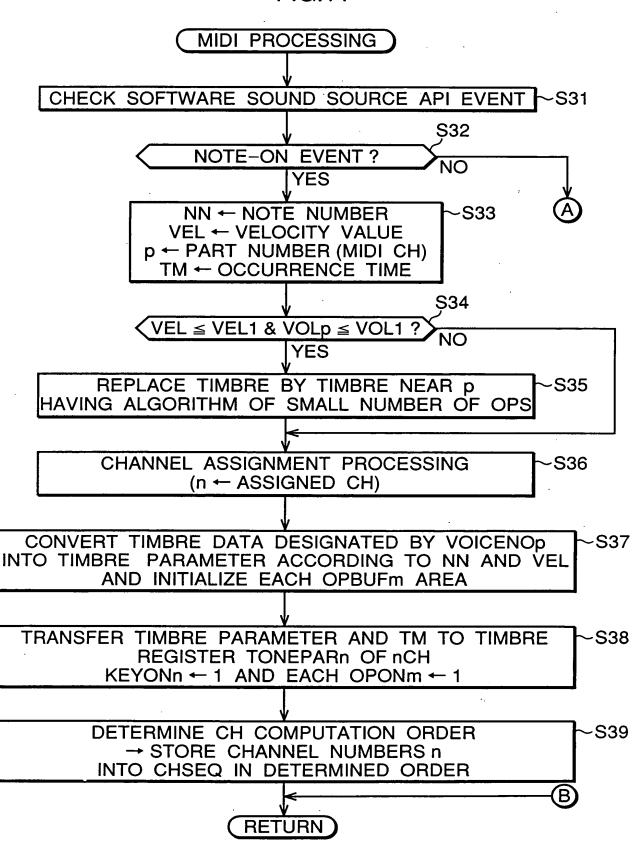
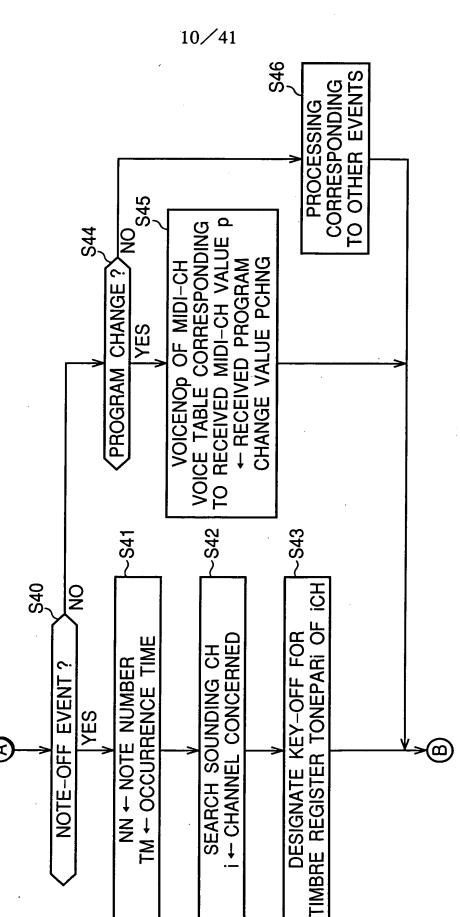


FIG.11





1	APPROVED	O.G.	FIG.
	BY	CLASS	SUBCLASS
ם	RAFTSMAN		

FIG.13

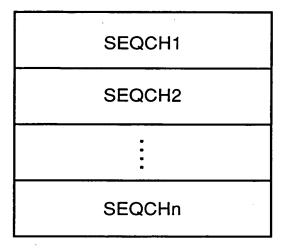
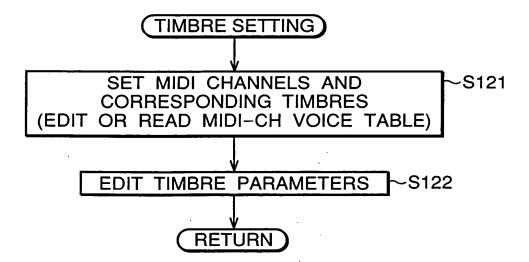


FIG.20



BY CLASS SUBCLASS

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FIG.14

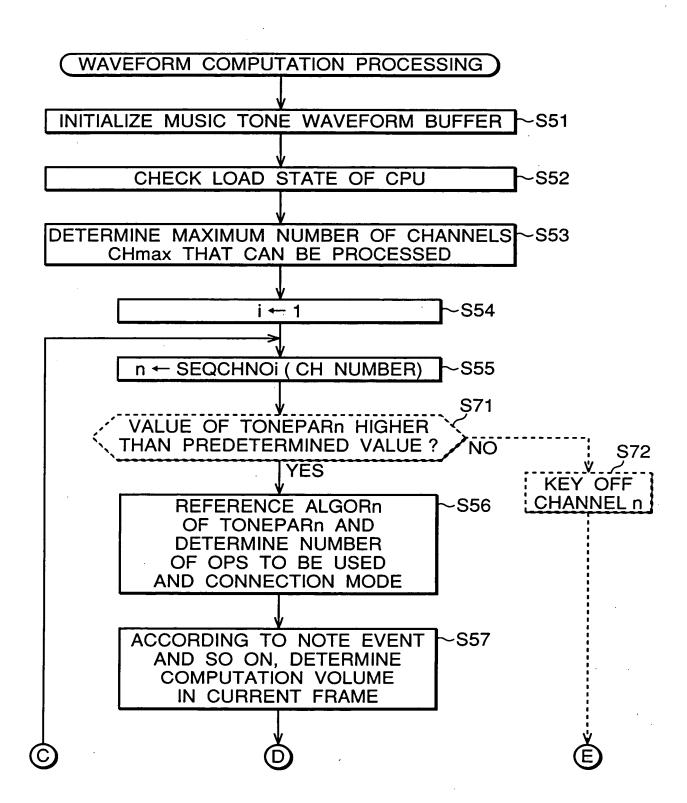


FIG.15

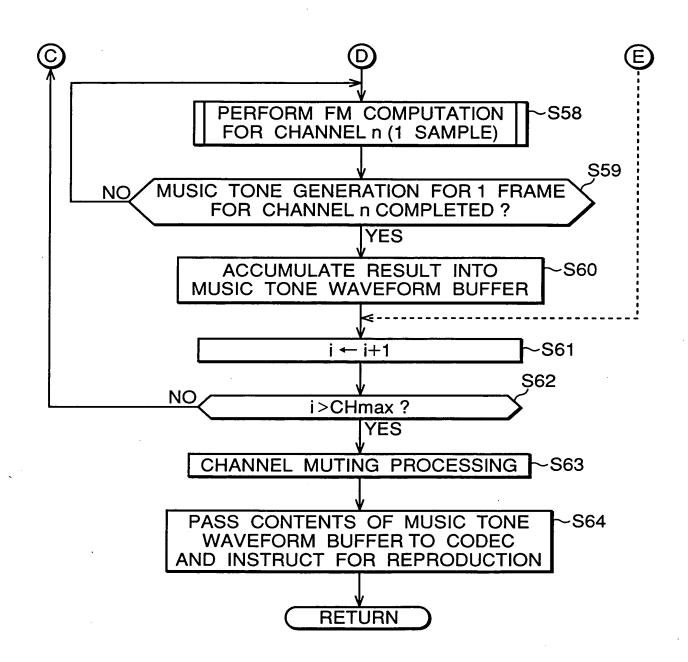


FIG.16

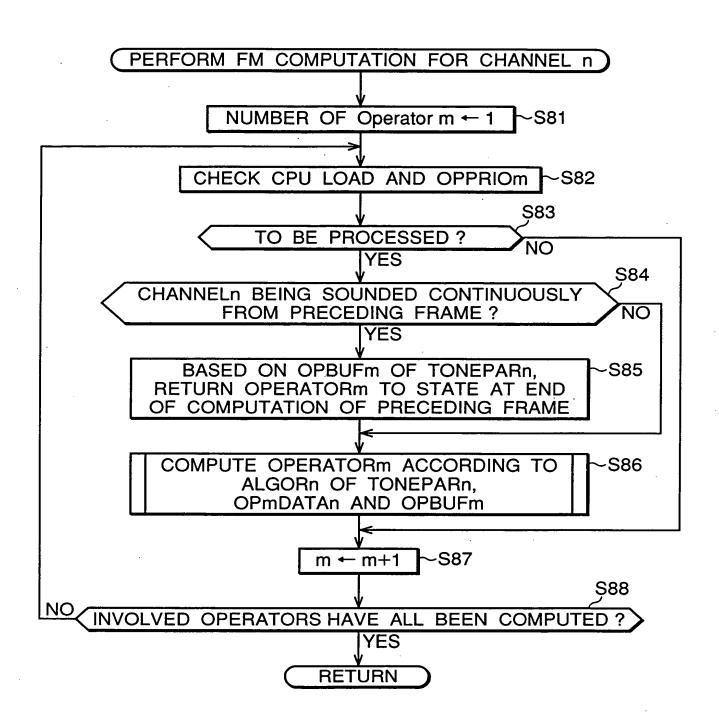
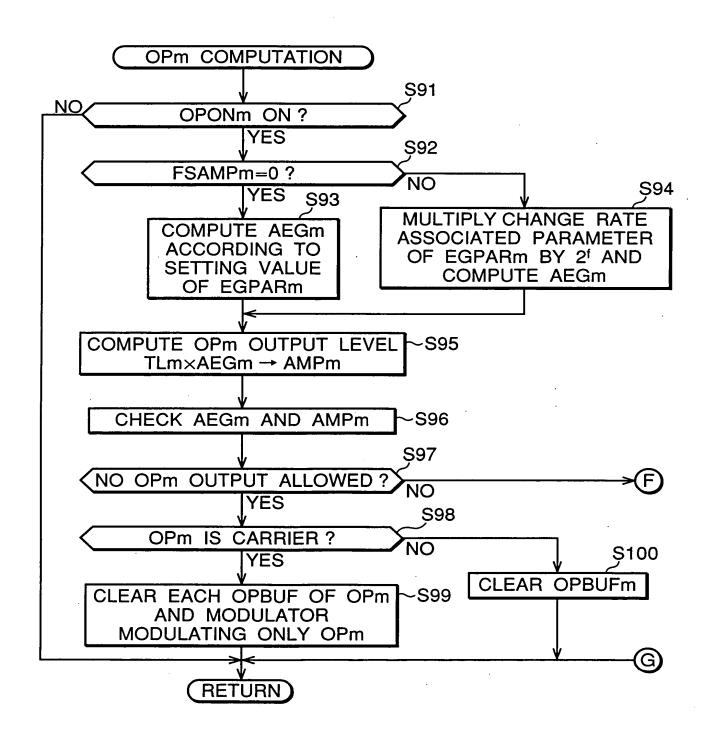


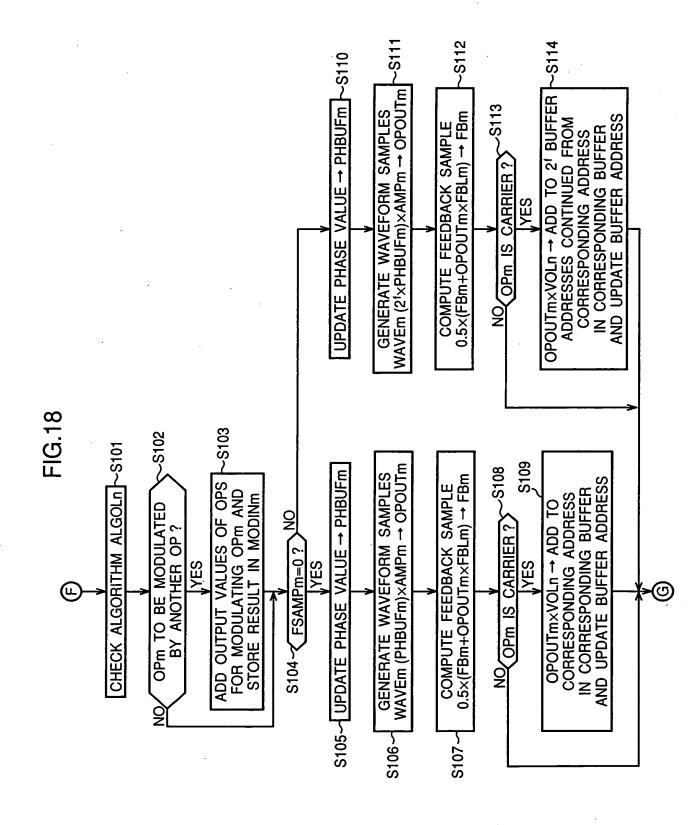
FIG.17



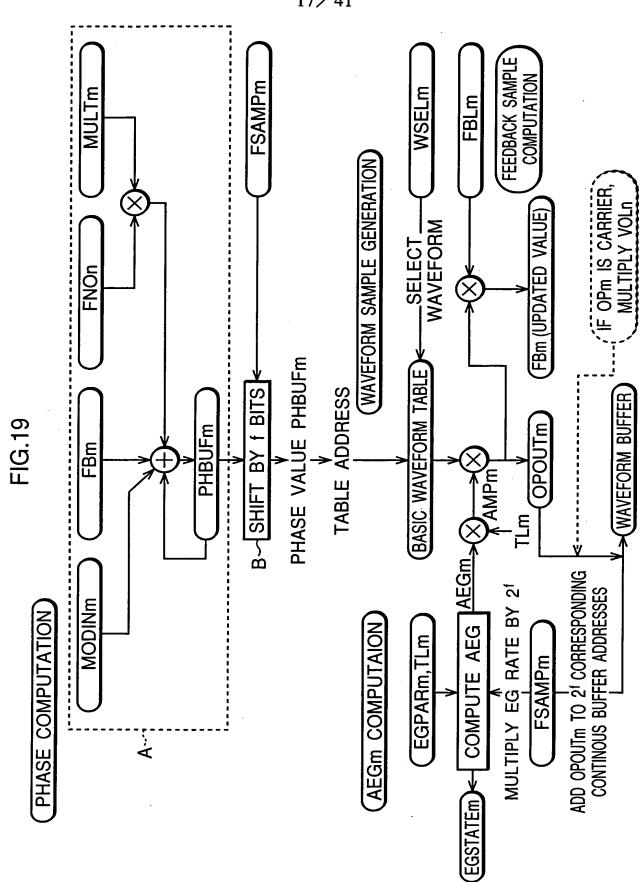
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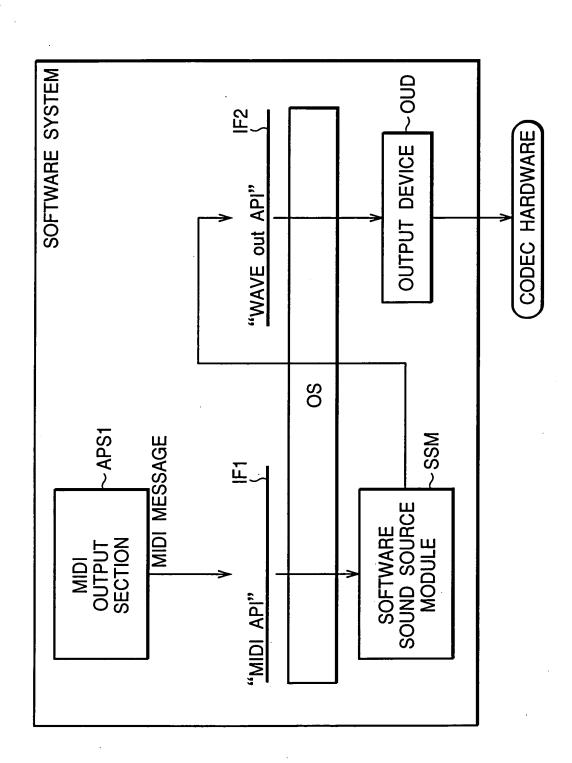


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BY DRAFTSMAN

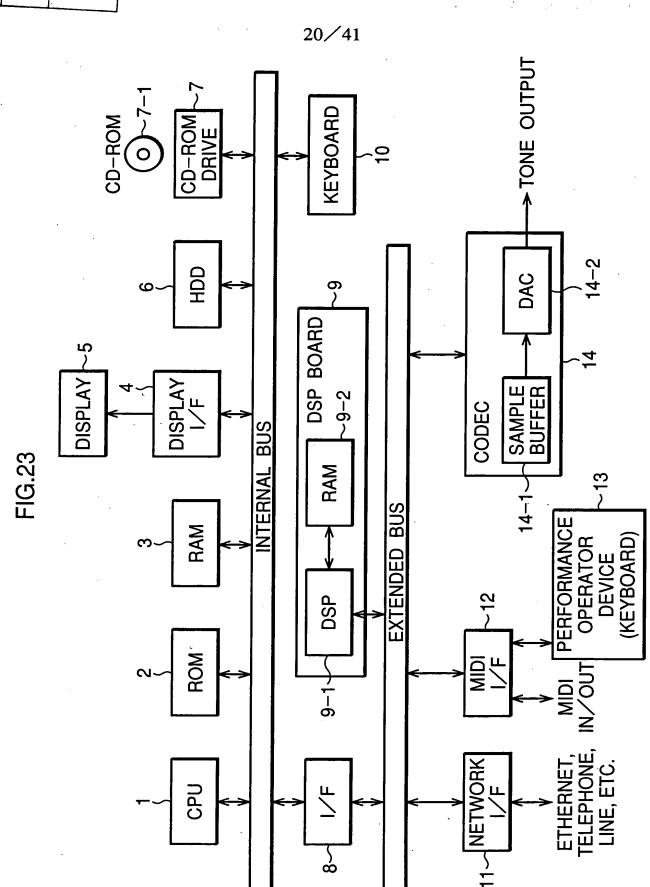
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FIG.21



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APPROVED BY DRAFTSMAN	O.G. FI	G. UBCLASS					
			·	19/4	COMPUTE FOR GENERATION	DAC REPRODUCTION	T4 TIME
### ### [m] ### [m] #### #### #### ##### #### #### ######		M4			COMPUTE FOR GENERATION	DAC REPRODUCTION	Т3 Т
((((((((((((((((((FIG.22				COMPUTE FOR GENERATION	DAC REPRODUCTION	
		MESSAGE M3 M1 M2	COMPUTATION	>	COMPUTE FOR GENERATION		T1 T2



,		
APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAN		

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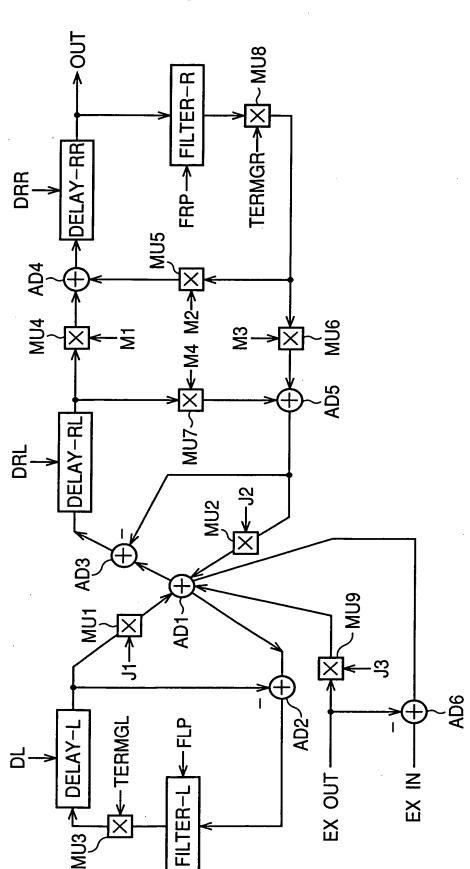


FIG.24

APPROVED		
BY	CLASS	SUBCLASS
DRAFTSMAN		

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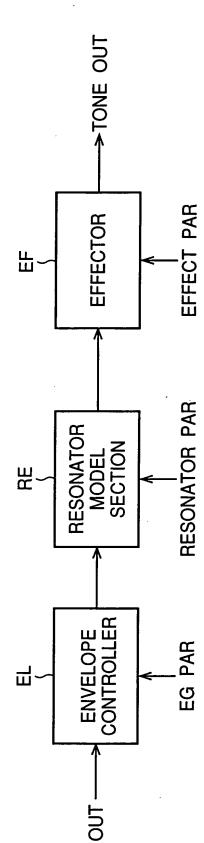
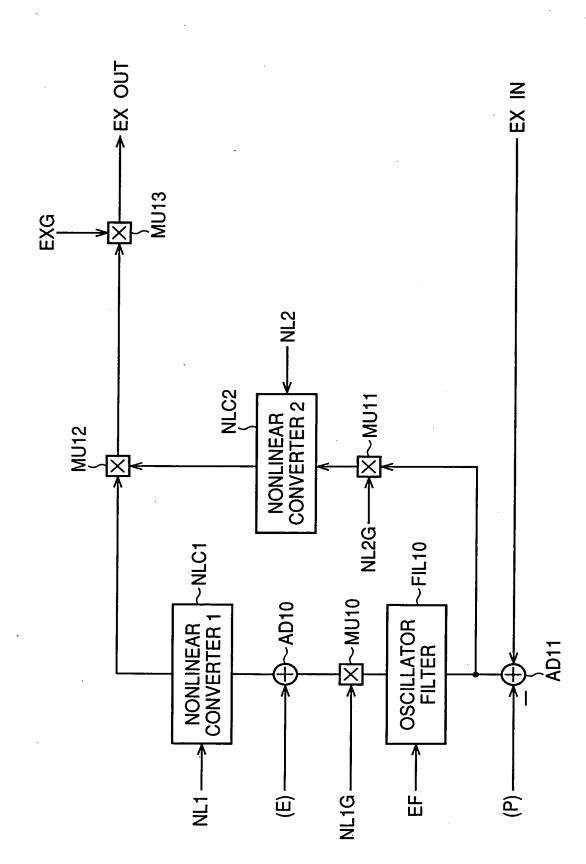


FIG 25

	APPROVED	O.G.		7
	BY	CLASS	SUBCLASS	1
l	DRAFTSMAN			

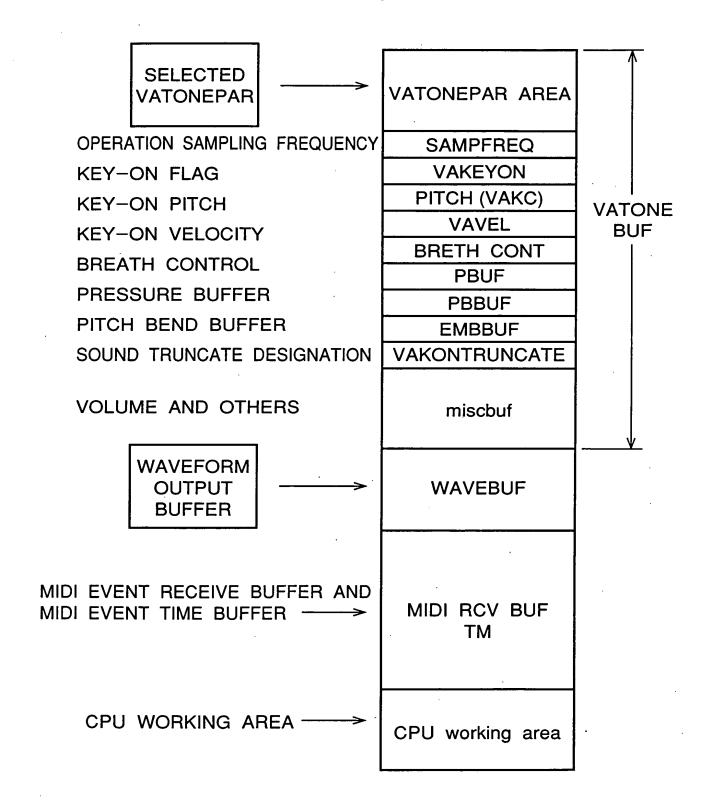
FIG.26



APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAN		

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FIG.27



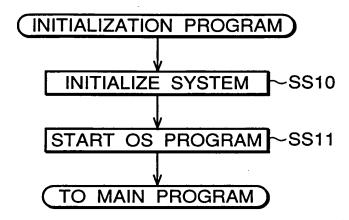
25/41

FIG.28

EVIOLEE	Tee	EVOLUTED EU TED DADALIERE
EXICITER	EF	EXCITER FILTER PARAMETER
PARAMETERS	NLG1	NONLINEAR CONVERTER 1 INPUT GAIN
	NLG2	NONLINEAR CONVERTER 2 INPUT GAIN
	EXG	EXCITER OUTPUT GAIN
	NL1	NONLINEAR CONVERTER 1 CHARACTERISTIC PARAMETER (TABLE)
	NL2	NONLINEAR CONVERTER 2 CHARACTERISTIC PARAMETER (TABLE)
P/S	DL	DELAY-L DELAY AMOUNT TABLE
PARAMETERS	DRL	DELAY-RL DELAY AMOUNT TABLE
	DRR	DELAY-RR DELAY AMOUNT TABLE
	FLP	TERMINAL FILTER-L PARAMETER
	FRP	TERMINAL FILTER-R PARAMETER
	MULTI1(M1)	TONE HOLE JUNCTION MULTIPLICATION COEFFICIENT 1
	MULTI2(M2)	TONE HOLE JUNCTION MULTIPLICATION COEFFICIENT 2
	MULTI3(M3)	TONE HOLE JUNCTION MULTIPLICATION COEFFICIENT 3
	MULTI4(M4)	TONE HOLE JUNCTION MULTIPLICATION COEFFICIENT 4
	J1	TUBE JUNCTION MULTIPLICATION COEFFICIENT 1
	J2	TUBE JUNCTION MULTIPLICATION COEFFICIENT 2
	J3	TUBE JUNCTION MULTIPLICATION COEFFICIENT 3
EG PAR	ATTACK RATE	ATTACK RATE
•	RELEASE RATE	RELEASE RATE
	↓	↓
RESONATOR	TYPE	RESONATOR TYPE
PAR	FREQ	RESONATOR FREQUENCY CHARACTERISTIC PARAMETER
	LEVEL	RESONATOR LEVEL PARAMETER
	· •	ţ ·
EFFECT	EFFECT TYPE	EFFECT TYPE DESIGNATION
PAR	FREQ	EFFECT DEPTH
	LEVEL	MODULATION SPEED
	•	
SAMPLING FREQ	FS	SAMPLING FREQUENCY DATA (FS1>FS2)
Community Fried		5 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

26/41 FIG.29

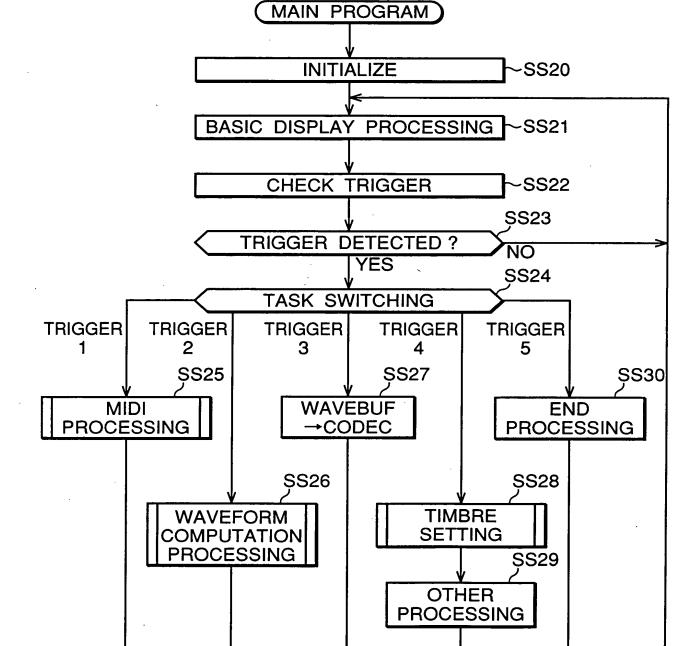


DRAFTSMAN

APPROVED

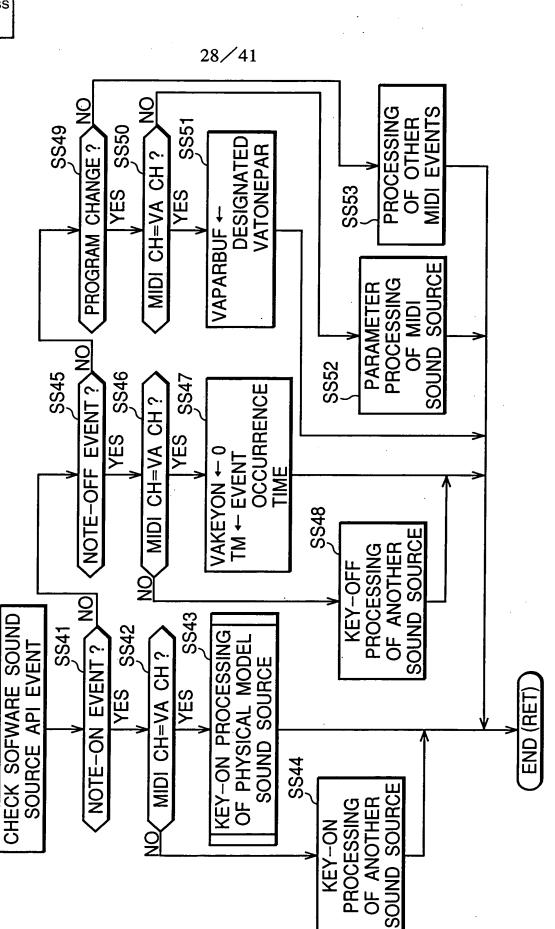
27/41

FIG.30



SS40

MIDI PROCESSING



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FIG.32A

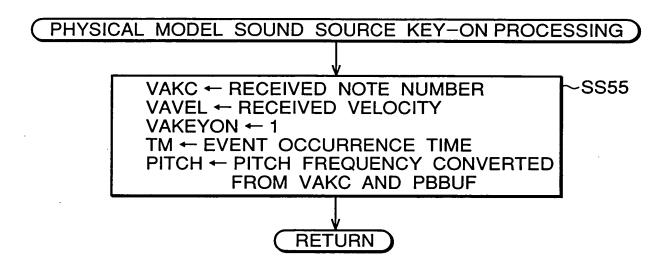
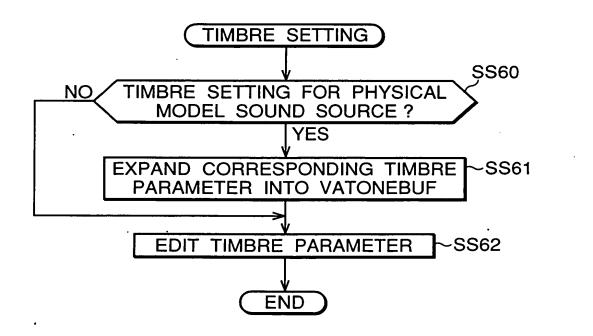


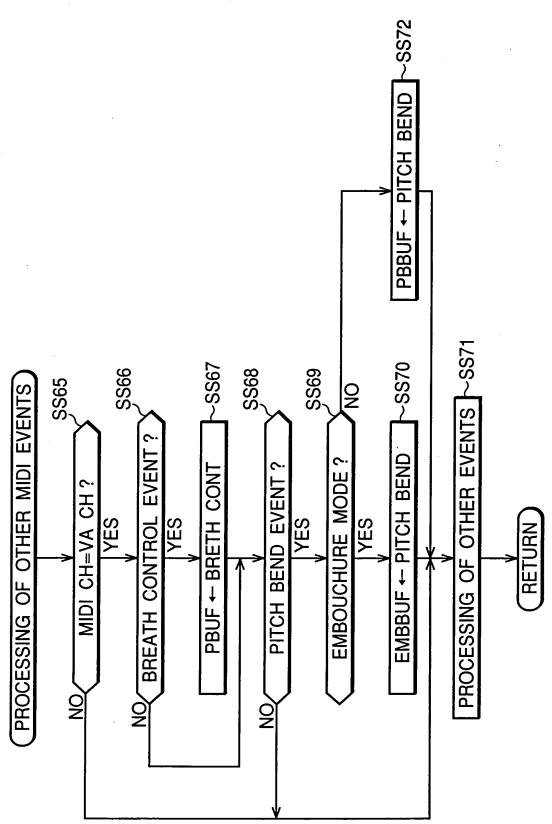
FIG.32B



O.G. FIG.

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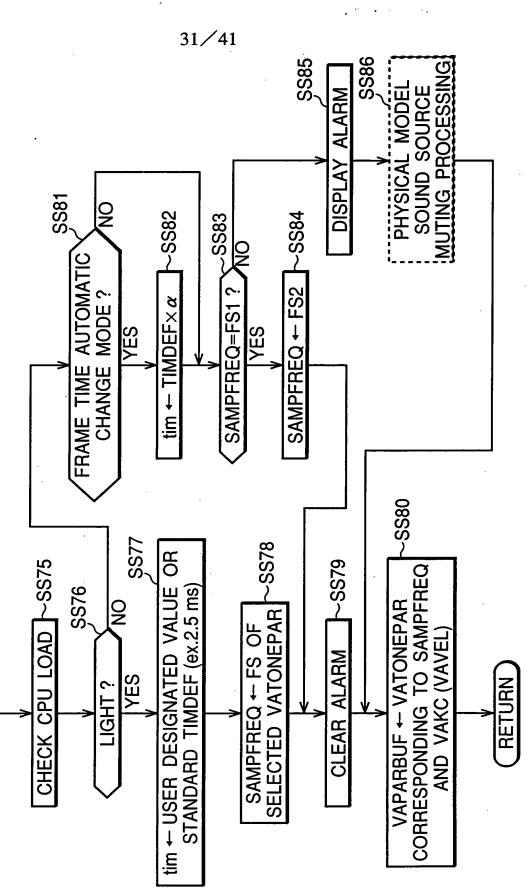
a. Eden Eden - 2. The Chenese Eden Eden

APPROVED	O.G. FIG.		7
BY	CLASS	SUBCLASS	1
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FIG.33

PARAMETER EXPANSION

PHYSICAL MODEL

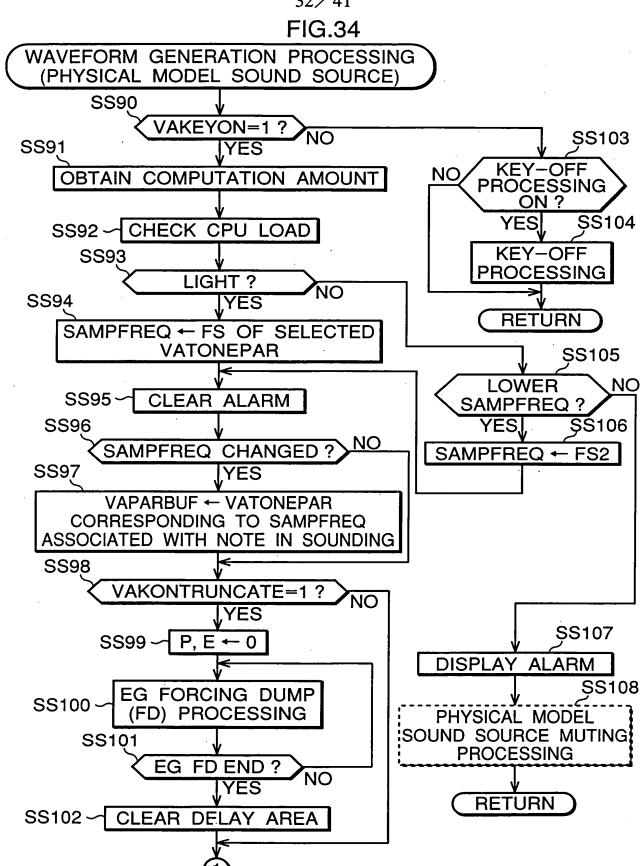


O.G. FIG.

DRAFTSMAN

CLASS SUBCLASS

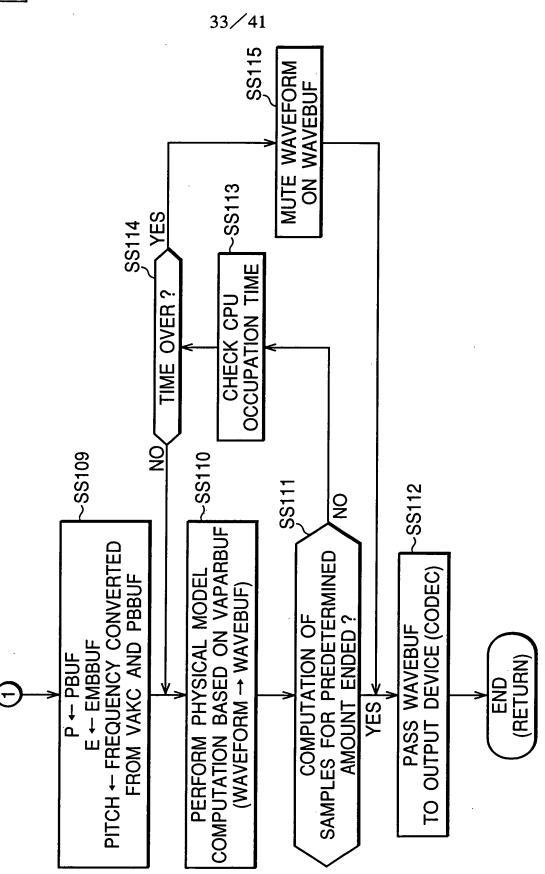
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APPROVED	O.G.	FIG.
BY .	CLASS	SUBCLASS
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FIG.35



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CLASS SUBCLASS

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FIG.36

PHYSICAL MODEL COMPUTATION PROCESSING

DELAY LENGTH CONTROL PROCESSING FOR EACH VARIABLE DELAY ACCORDING TO DESIGNATED PITCH FREQUENCY, SETTING STATES, SAMPFREQ AND VAPARBUF -SS120

-SS121

COMPUTATION OF EXCITER BASED ON SAMPFREQ, P, E, AND VAPARBUF

CAPTURE EX IN

EXCITER FILTER COMPUTATION BY FLTPAR CORRESPONDING TO SAMPFREQ

NONLINEAR CONVERTER PERIPHERL COMPUTATION PROCESSING BY NONLINEAR CONVERSION CHARACTERISTICS ACCORDING TO SAMPFREQ

GENERATE EXCITER OUTPUT SIGNAL EX OUT

COMPUTATION OF TUBE/STRING MODEL SECTION BASED ON SAMPFREQ AND VAPARBUF

-SS122

CAPTURE EX OUT

COMPUTATION OF JUNCTION SECTION (COMPUTATION BY JUNCTPAR CORRESPONDING TO SAMPFREQ)

COMPUTATION OF DELAY LOOP (INCLUDING COMPUTATION OF EACH TERMINAL FILTER IN FLTPAR CORRESPONDING TO SAMPFREQ)

OUTPUT EX IN AND OUT

COMPUTATION OF TIMBRE EFFECTOR BASED ON SAMPFREQ AND VAPARBUF

-SS123

TAKE SIGNAL OUT

COMPUTATION OF ENVELOPE CONTROLLER

COMPUTATION OF RESONATOR MODEL SECTION

COMPUTATION OF EFFECTOR

FINAL OUTPUT → TONEOUT

RETURN

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

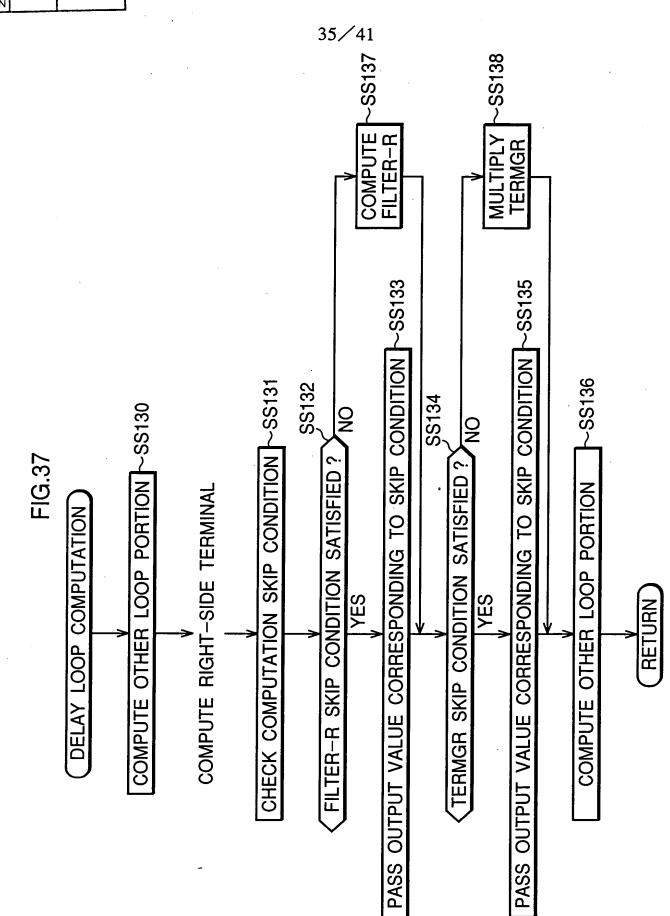


FIG.38

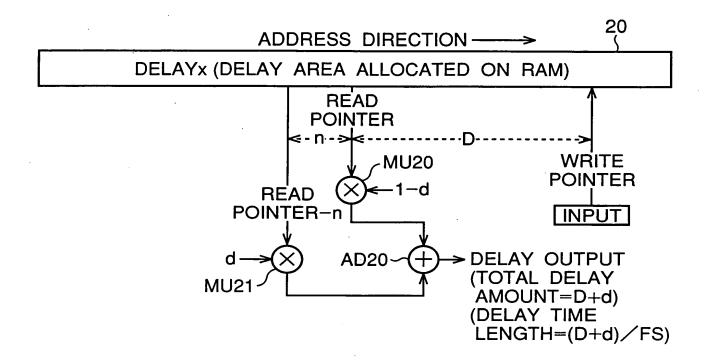
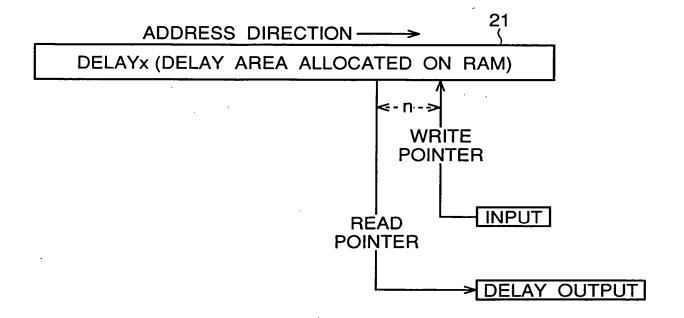
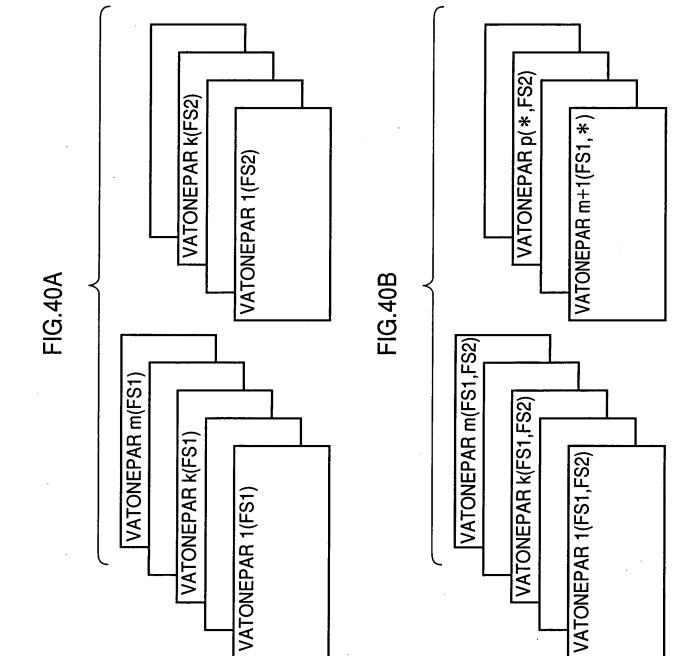


FIG.39





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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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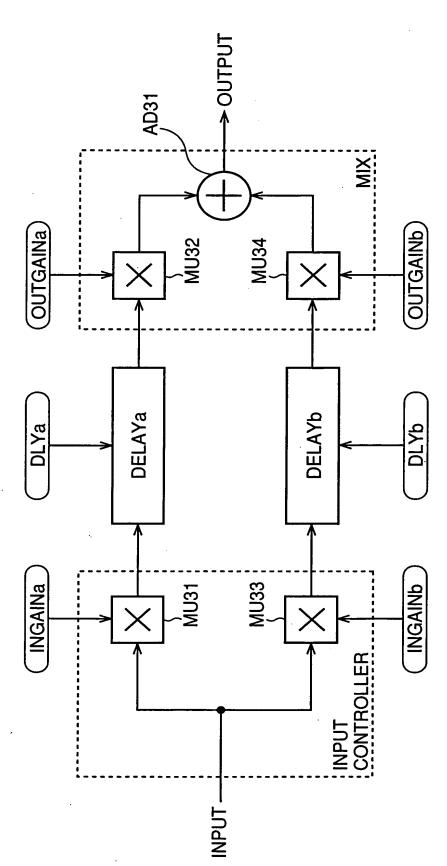
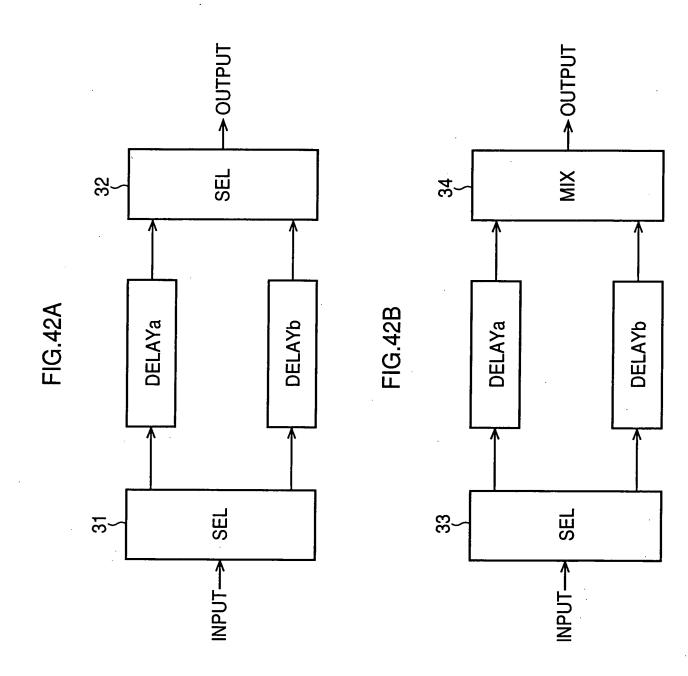


FIG.41

DRAFTSMAN



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

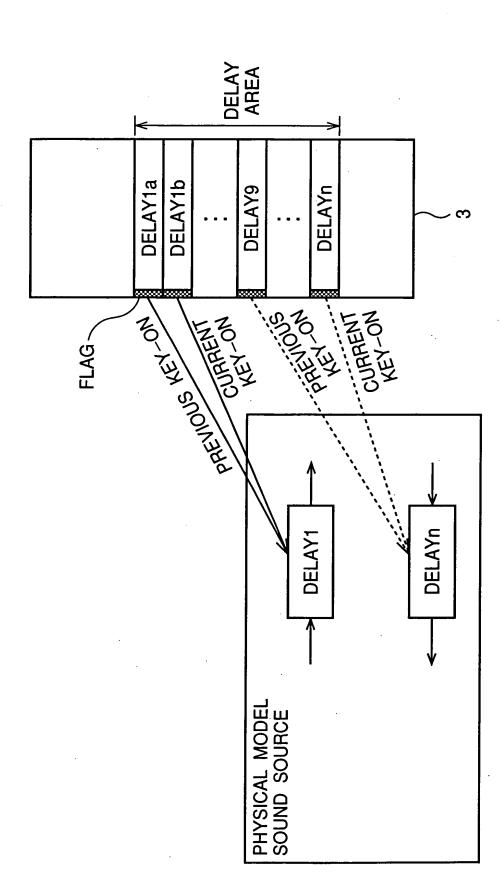


FIG.43

Ī		O.G. FIG.	
	BY	CLASS	SUBCLASS
	DRAFTSMAN		

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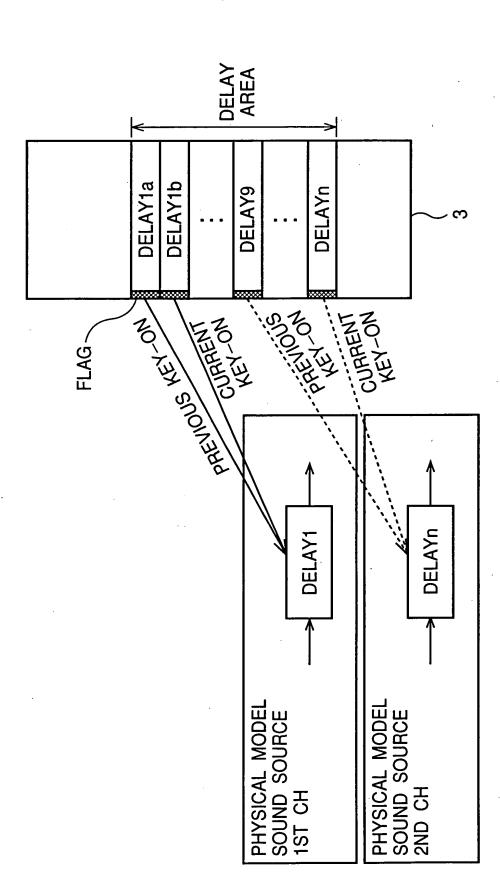


FIG.44